

Course of Study Aircraft Systems Engineering (Study Cohort w16)

Sample course plan D Master Aircraft Systems Engineering (FSTMS)
Specialisation Air Transportation Systems

Legend:

Core qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

LP	Semester 1	Form Hrs/wk	Semester 2	Form Hrs/wk	Semester 3	Form Hrs/wk	Semester 4	Form Hrs/wk
1	Aircraft Systems I		Flight Physics (part 2)		Finite Elements Methods		Master Thesis	
2	Aircraft Systems I	VL 3	Flight Mechanics II	VL 2	Finite Element Methods	VL 2		
3	Aircraft Systems I	HÜ 2	Flight Mechanics II	HÜ 1	Finite Element Methods	HÜ 2		
4			Aircraft Design (part 2)					
5			Aircraft Design II	VL 2				
6			Aircraft Design II	PS 1				
7	Flight Physics (part 1)		Aircraft Systems II		Methods of Integrated Product Development			
8	Aerodynamics and Flight Mechanics I	VL 3	Aircraft Systems II	VL 3	Integrated Product Development II	VL 3		
9			Aircraft Systems II	HÜ 2	Integrated Product Development II	PBL 2		
10	Aircraft Design (part 1)							
11	Aircraft Design I	VL 2						
12	Aircraft Design I	HÜ 1						
13	Systems Engineering Development Project I		Systems Engineering Development Project II		Airport Planning and Operations			
14	Systems Engineering Development Project I	PBL 6	Systems Engineering Development Project II	PBL 6	Airport Planning	VL 2		
15					Airport Operations	VL 3		
16					Airport Planning	UE 1		
17								
18								
19	Aircraft Cabin Systems		Systems Engineering					
20	Aircraft Cabin Systems	VL 3	Systems Engineering	VL 3				
21	Aircraft Cabin Systems	HÜ 1	Systems Engineering	HÜ 1				
22								
23								
24								
25	Flight Guidance and Airline Operations (part 1)		Flight Guidance and Airline Operations (part 2)					
26	Introduction to Flight Guidance	VL 3	Airline Operations	VL 3				
27	Introduction to Flight Guidance	HÜ 1						
28	Cabin Systems Engineering (part 1)		Cabin Systems Engineering (part 2)					
29	Computer and communication technology in cabin electronics and avionics	VL 2	Model-Based Systems Engineering with SysML/UML	PBL 3				
30	Computer and communication technology in cabin electronics and avionics	UE 1						
Business & Management (from catalogue) - 6LP								
Nontechnical Elective Complementary Courses for Master (from catalogue) - 6LP								

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.

